

Title (en)
REACTOR AND METHOD OF MANUFACTURING THE SAME

Title (de)
DROSSEL UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)
RÉACTEUR ET SON PROCÉDÉ DE FABRICATION

Publication
EP 3633699 B1 20220413 (EN)

Application
EP 19199511 A 20190925

Priority
• JP 2018179391 A 20180925
• JP 2019018163 A 20190204

Abstract (en)
[origin: EP3633699A1] A reactor (2) includes a coil (5) including a wire (4) that is covered with an insulating film (41) and is wound, the coil (5) including a first lateral surface and a second lateral surface different from the first lateral surface; a cooler (6) that faces the first lateral surface; and an insulating heat radiation layer (12) that is sandwiched between the first lateral surface and the cooler (6). In the first lateral surface, the wire (4) is not covered with the insulating film (41). In the second lateral surface, the wire (4) is covered with the insulating film (41). A degree of flatness of the first lateral surface is lower than a degree of flatness of the second lateral surface.

IPC 8 full level
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CPC (source: CN EP KR US)
H01F 5/06 (2013.01 - KR); **H01F 17/02** (2013.01 - KR); **H01F 17/04** (2013.01 - KR); **H01F 27/022** (2013.01 - US); **H01F 27/08** (2013.01 - CN US); **H01F 27/22** (2013.01 - CN EP KR); **H01F 27/263** (2013.01 - US); **H01F 27/2823** (2013.01 - EP US); **H01F 27/2847** (2013.01 - CN); **H01F 27/2876** (2013.01 - KR); **H01F 27/30** (2013.01 - KR); **H01F 27/306** (2013.01 - EP US); **H01F 27/323** (2013.01 - EP); **H01F 27/324** (2013.01 - CN KR); **H01F 27/327** (2013.01 - US); **H01F 37/00** (2013.01 - EP US); **H01F 41/00** (2013.01 - CN); **H01F 41/02** (2013.01 - US); **H01F 41/04** (2013.01 - EP); **H01F 41/063** (2016.01 - KR); **H01F 41/122** (2013.01 - EP); **H01F 41/125** (2013.01 - CN)

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EP 19199511 A 20190925; JP 2019018163 A 20190204; KR 20190114154 A 20190917